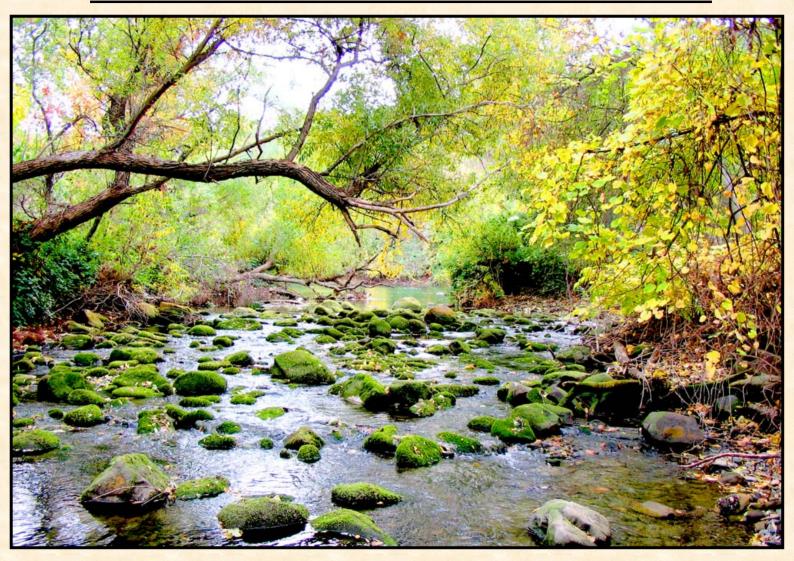
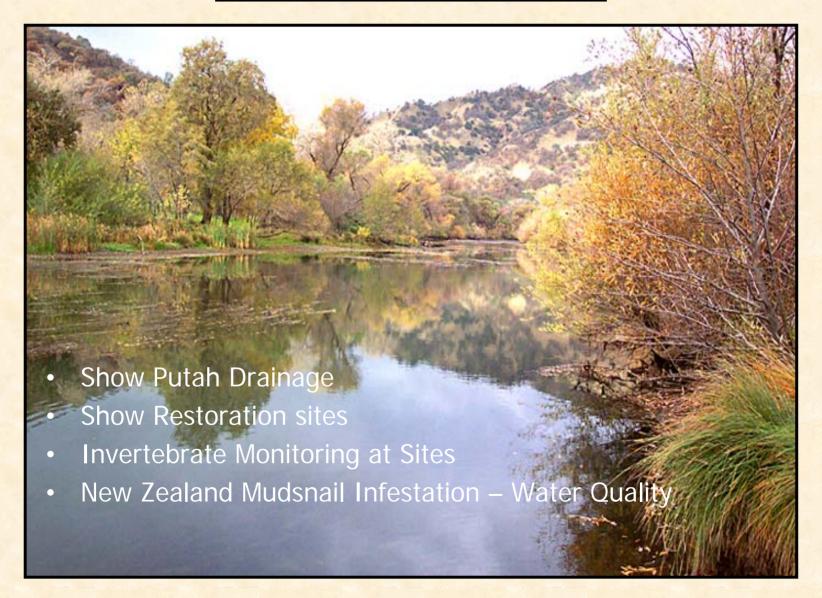
Ken W. Davis – Aquatic biologist / wildlife photojournalist



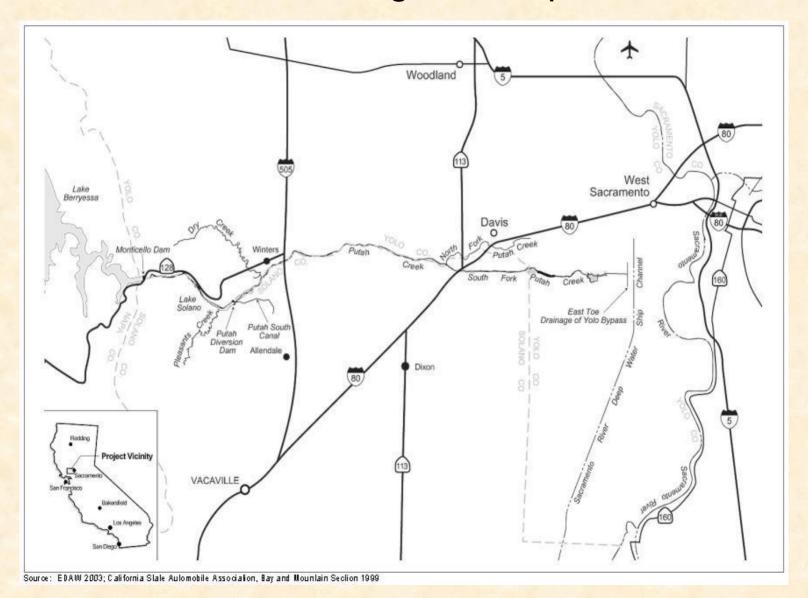
Monitoring Benthic Macroinvertebrates at Several Putah Creek Restoration Sites



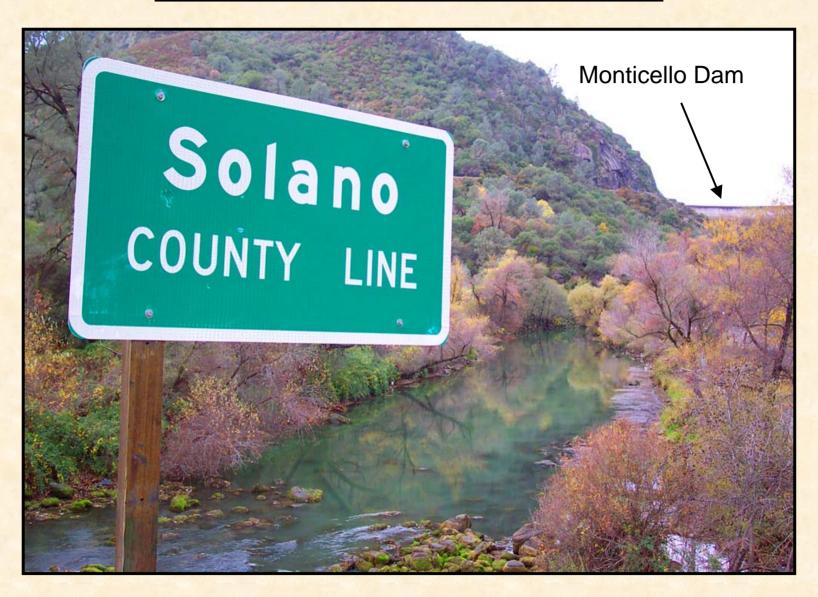
Outline for Presentation



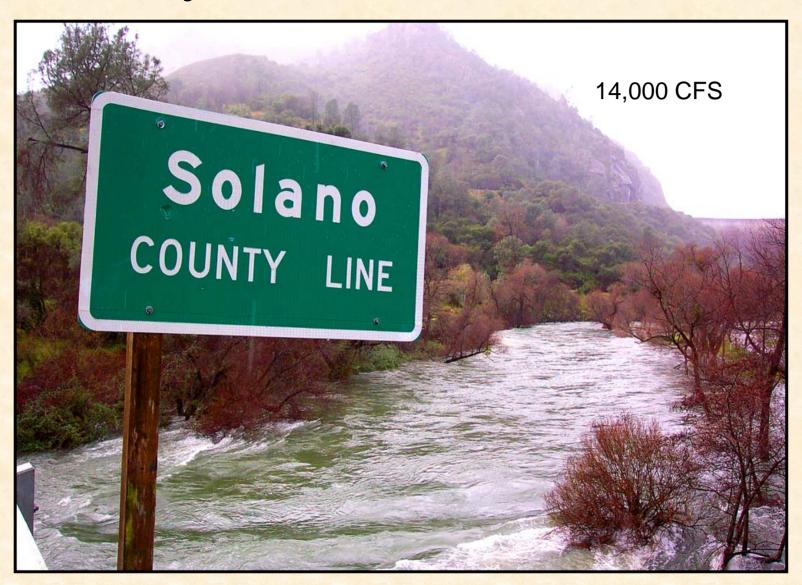
Putah Regional Map



Putah Creek - Interdam Reach



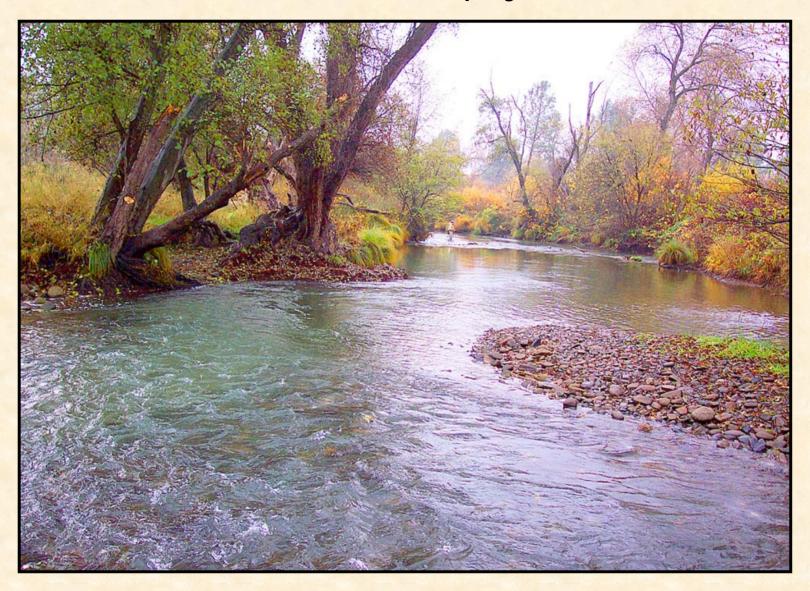
Glory Hole - Uncontrolled Releases



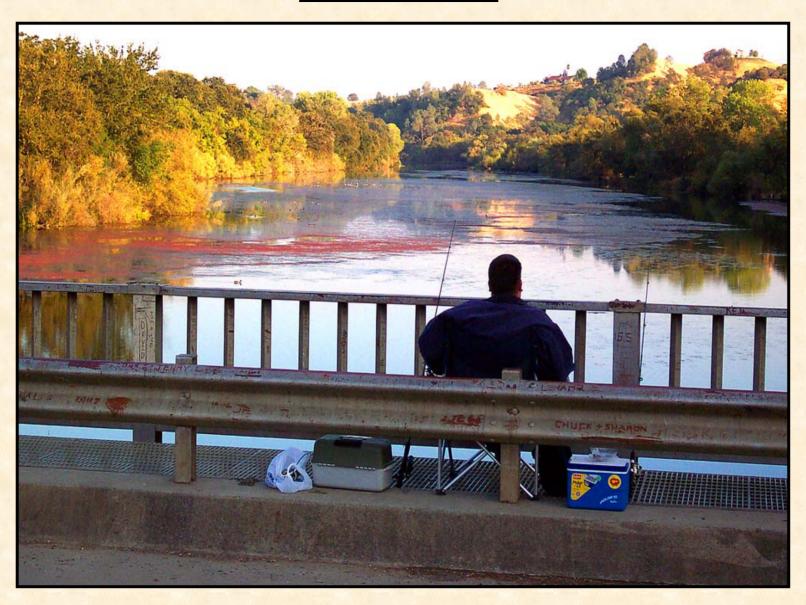
InterDam Reach



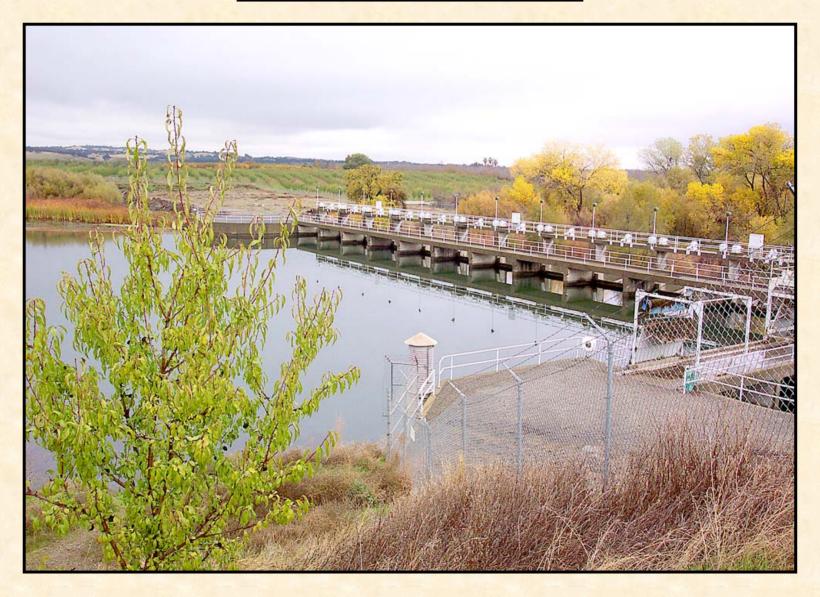
Interdam Reach - Trophy Trout Area



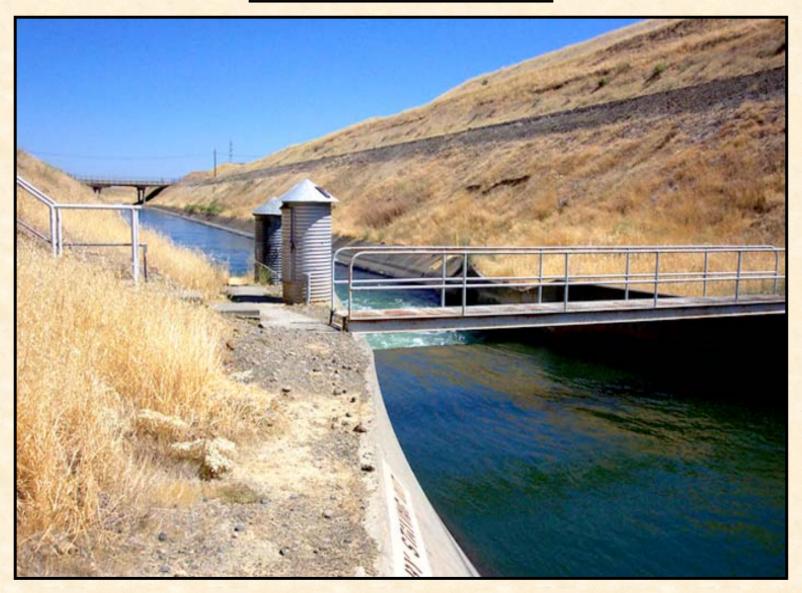
Lake Solano



Putah Diversion Dam



Putah South Canal



Lower Putah Creek



Numerous Sites Need Restoration



Invasive Removal – Such as Arundo



Restoration Types



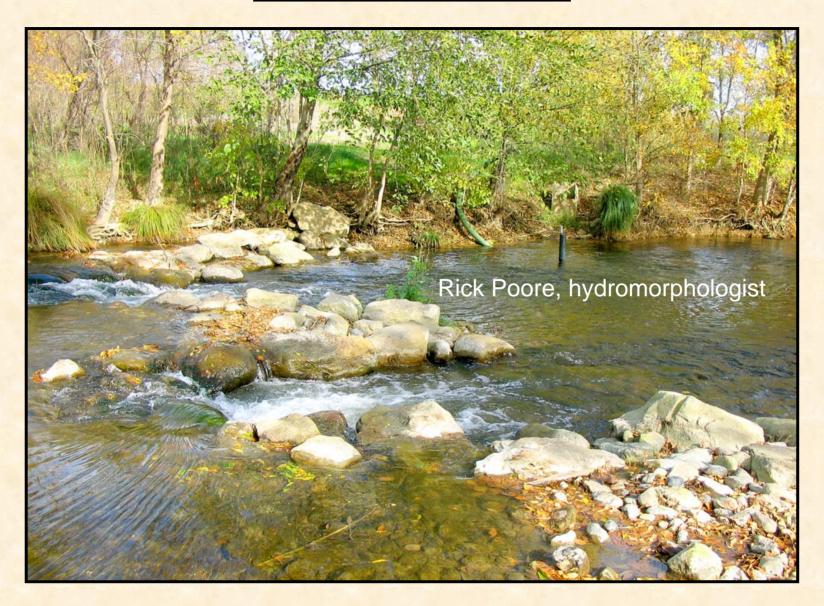
Rich Marovich - Putah Creek Streamkeeper



Hasbrook Crossing Project



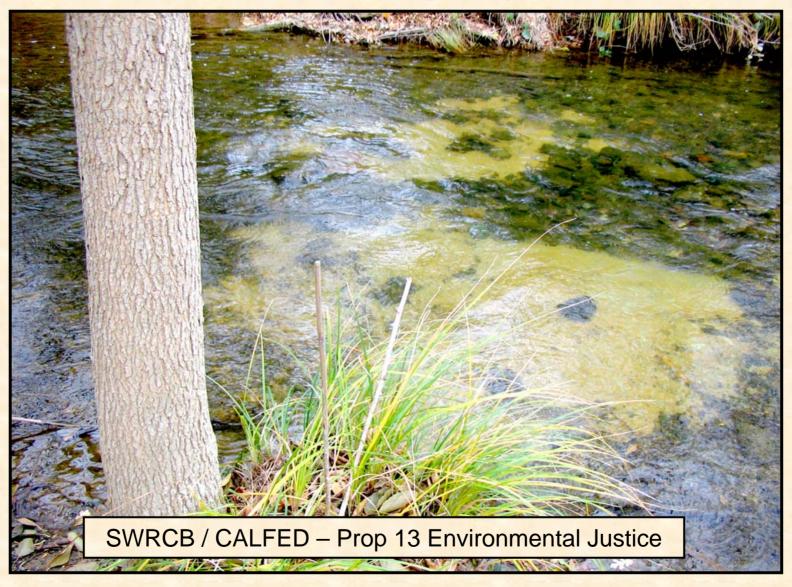
Hasbrook "W" Weir



Weir has withstood 14,000 CFS



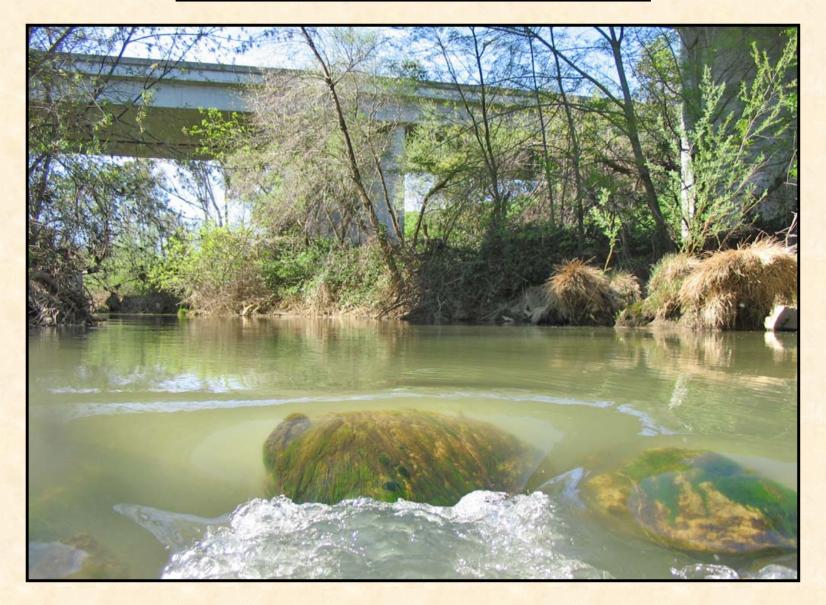
Yolo Housing Project



Yolo Housing Weir (2)



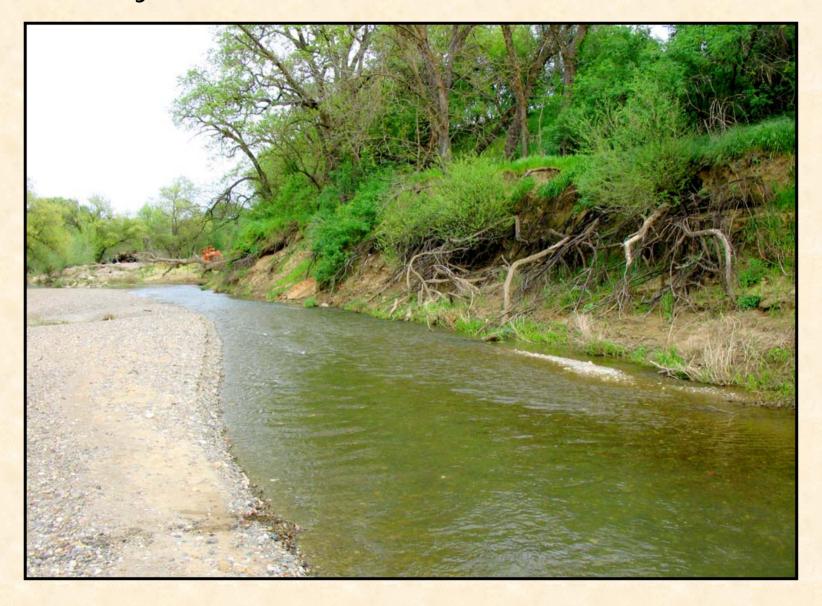
I-505 - Future "W" Weir Site



Dry Creek Confluence



Dry Creek Confluence - Stabilize Bank



Design Channel - Locate original creek bed



Dry Creek Design Channel



Re-aligning 1000 feet of creek bed



Catch and move the fish



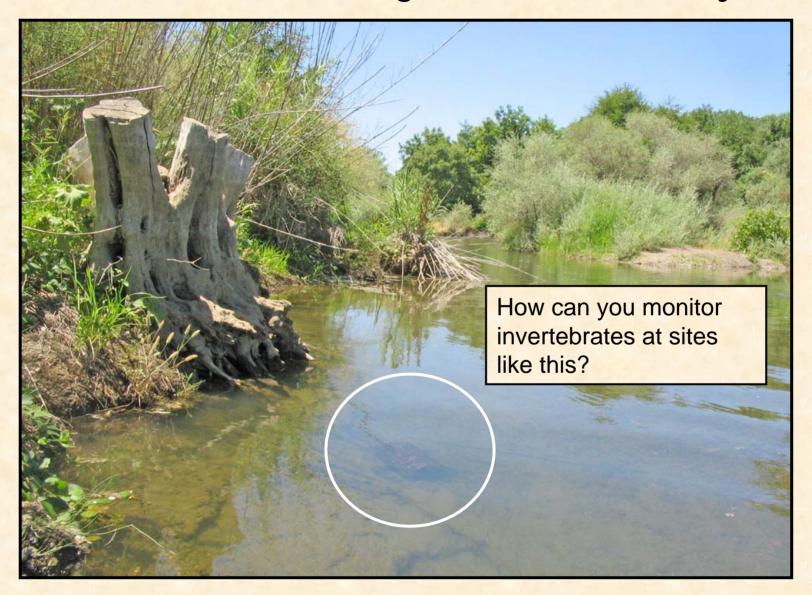
Protecting the banks - Revegetation



<u>Conservation Corps – Revegetation</u>



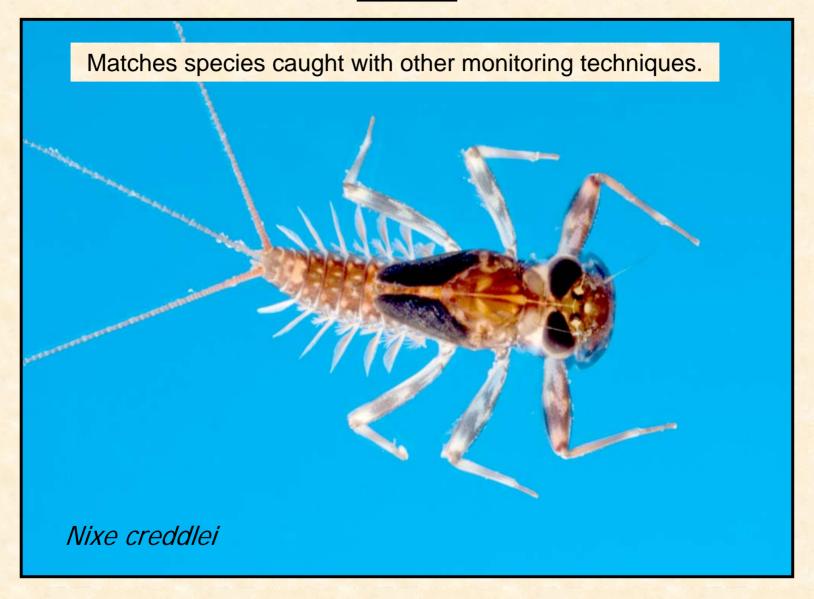
Invertebrate Monitoring in Restoration Projects



Invertebrate Monitoring in Restoration Projects



Riffles



Pools / Sediment Beds



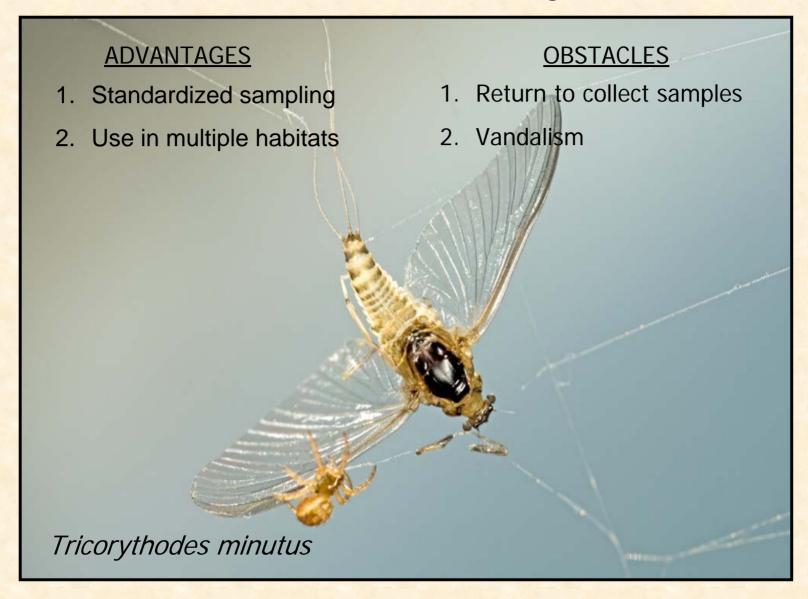
Macrophyte Beds



Identification to Species when possible



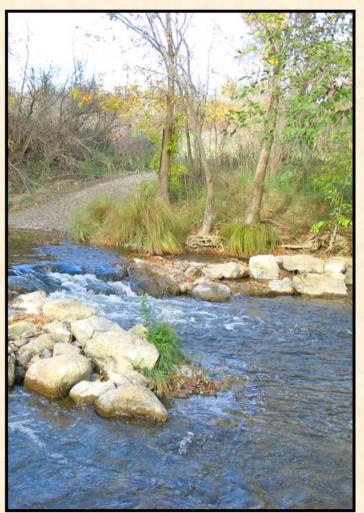
Obstacles / Advantages



Preliminary Results - Hasbrook

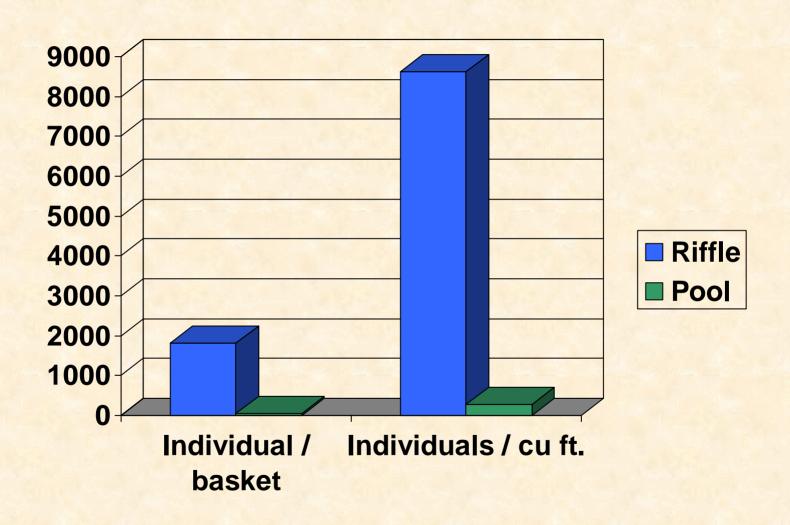


58 invertebrates / basket 275 invertebrates / cu.ft.



1819 Invertebrates / basket 8617 invertebrates / cu ft.

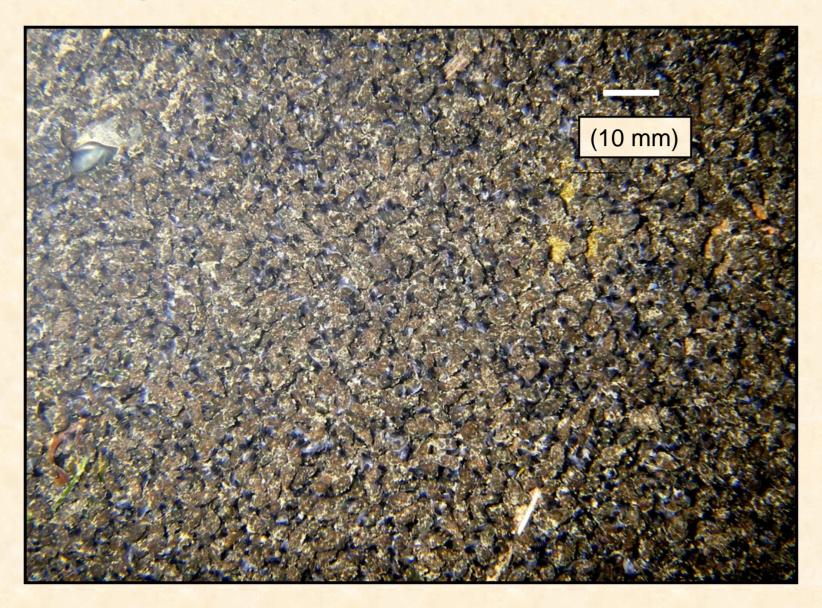
Preliminary Results: Hasbrook Monitoring



New Zealand Mudsnail Infestation



High Density – 500,000 NZMS / sq. m



New Zealand Mudsnail Monitoring



Photogrammetric Monitoring



Thank You - Questions

